IN THE CLAIMS:

Claims 1-9 (Canceled)

10. (Currently Amended) A method for forming a semiconductor device,

comprising:

providing a substrate having a lattice structure;

implanting a precipitate region within said lattice structure:

introducing a dynamic defect within said lattice structure and proximate said implanted

precipitate region, such that said implanted precipitate region affects a position of said dynamic

defect within said lattice structure; and

forming a gate structure over said substrate having said precipitate region therein, said

precipitate region being noncontinuous.

11. (Original) The method as recited in Claim 10 wherein said implanting includes

implanting a SiO2 precipitate region.

12. (Original) The method as recited in Claim 10 wherein said implanting includes

implanting a SiN precipitate region.

13. (Original) The method as recited in Claim 10 wherein said precipitate region is

located from about 60 nm to about 150 nm below said gate structure.

Claim 14 (Canceled)

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15. (Original) The method as recited in Claim 10 wherein said dynamic defect is an

edge dislocation, a vacancy, a dislocation loop formed by an agglomeration of vacancies within said lattice, a silicon self-interstitial atom, a substitutional atom, or a dislocation loop formed

by the agglomeration of self interstitial atoms.

16. (Original) The method as recited in Claim 10 wherein said substrate is a first

silicon substrate and said method further includes forming a silicon-germanium layer over said

first silicon substrate and forming a second silicon substrate over said silicon-germanium layer,

such that said silicon-germanium layer is in a relaxed state and said second silicon substrate is

in a stressed state.

17. (Original) The method as recited in Claim 10 wherein said substrate is a first

silicon substrate and said method further includes implanting silicon-germanium region into

said first silicon region and forming a second silicon substrate located over said first silicon

substrate, such that said second silicon substrate is in a stressed state.

18. (Original) The method as recited in Claim 10 wherein said substrate is a first

silicon substrate and said device further includes a silicon or germanium implant induced

dynamic defect region within said first silicon region wherein said first silicon substrate is in a

stressed state induced by said silicon or germanium implant induced dynamic defect region.

(Original) The method as recited in Claim 10 wherein said implanting includes

implanting to a peak concentration ranging from about 5E17 atoms/cm3 to about 5E18

atoms/cm3.

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20. (Original) The method as recited in Claim 10 wherein said implanting includes

implanting using an energy ranging from about 40 keV to about 70 keV.

21. (Original) The method as recited in Claim 10 further including annealing said

implanted precipitate region using a temperature ranging from about 500°C to about to about

1200°C after said implanting.

22. (Original) The method as recited in Claim 21 wherein said annealing includes a

first anneal at a temperature ranging from about  $600^{\circ}\text{C}$  to about  $800^{\circ}\text{C}$  and a second anneal at

a temperature ranging from about 1000°C to about 1100°C.

Claims 23-28 (Canceled)

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